

## EAST Search History

| Ref #    | Hits  | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|----------|-------|--|--|------------------|---------|------------------|
| L27      | 107   | ((chip near rate) and (symbol near rate)) or (chip\$1rate or symbol\$1rate)).clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/11/09 10:24 |
| L21      | 12738 | (channel near3 (estimat\$3 or response or impulse)).clm.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/11/09 10:24 |
| L13      | 1839  | ((chip near rate) or (symbol near rate)).clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/11/09 10:24 |
| L22      | 235   | 13 and 21  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/11/09 10:21 |
| S62<br>8 | 139   | (UWB or (impulse near radio) or ultra\$1wide or (ultra adj wide) or (impulse\$1radio)) and ((rake or finger or correlat\$3) and ((equalis\$3 or equaliz\$3))) and ((chip or chipping)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/11/09 10:20 |
| L25      | 6     | 22 and 24  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/11/09 10:20 |
| L4       | 52972 | (channel near3 (estimat\$3 or response or impulse))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/11/09 10:18 |
| L15      | 30    | mitsubishi and 13  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2007/11/09 10:16 |

## EAST Search History

|          |       |  |  |    |    |                  |
|----------|-------|--|--|----|----|------------------|
| L2       | 863   | MOLISCH near ANDREAS LI near YE ZHANG near JINYUN  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/09 09:59 |
| L1       | 8487  | (375/136 375/229 375/237-239 375/316 375/343 375/349 375/340).ccs.                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/09 09:59 |
| S77<br>2 | 50    | (ultrawide or ultra\$1wide or UWB or impulse\$1radio or (impulse near radio)) with (training or pilot)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/09 09:58 |
| S77<br>0 | 60225 | (ultrawide or ultra\$1wide or wide\$1band or wideband or UWB or impulse\$1radio or (impulse near radio)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 14:53 |
| S76<br>6 | 80    | ((pilot or training) near3 (repeat\$3) near3 times) and ((chip or chipping))                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 14:47 |
| S76<br>5 | 55    | ((pilot or training) with (repeat\$3) with times) same ((chip or chipping))                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 14:47 |
| S76<br>4 | 1     | ((pilot or training) with (repeat\$3) with times) same ((chip or chipping)) and S703                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 14:44 |
| S76<br>3 | 2     | ((pilot or training) with (repeat\$3 or copy or copied) with times) same ((chip or chipping)) and S703   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 14:44 |

## EAST Search History

|          |     |   |  |    |    |                  |
|----------|-----|---|--|----|----|------------------|
| S76<br>2 | 24  | ((pilot or training) same (repeat\$3 or copy) same symbol) same ((chip or chipping)) and S703   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 14:43 |
| S72<br>8 | 82  | ((fraction or less or slower or lower) near3 (chip or chipping) near2 (rate or speed or frequency)).ab.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 14:33 |
| S74<br>6 | 79  | (finger or arm or branch) same ("ADC" or "A/D" or analog\$1to\$1digital or analogue\$1to\$1digital or ((analog or analogue) adj digital)) and S703  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 14:27 |
| S74<br>5 | 48  | (delay) same (finger or arm or branch) same ("ADC" or "A/D" or analog\$1to\$1digital or analogue\$1to\$1digital or ((analog or analogue) adj digital)) and S703   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 14:05 |
| S74<br>4 | 578 | (delay) same (finger or arm or branch) same ("ADC" or "A/D" or analog\$1to\$1digital or analogue\$1to\$1digital or ((analog or analogue) adj digital))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 14:02 |
| S74<br>1 | 209 | ((fraction or less or slower or lower) with (sampl\$3 or operat\$3) with (chip or chipping) near2 (rate or speed or frequency)) or sub\$1chip or (sub adj chip)) same (correlat\$3 or de\$1spread\$3 or (match\$3 near filter) or matched\$1filter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 13:25 |
| S74<br>0 | 42  | ((fraction or less or slower or lower) with (sampl\$3 or operat\$3) with (chip or chipping) near2 (rate or speed or frequency)) or sub\$1chip or (sub adj chip)) same rake  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 13:24 |
| S73<br>9 | 13  | ((fraction or less or slower or lower) with (sampl\$3 or operat\$3) with (chip or chipping) near2 (rate or speed or frequency)) same rake   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 13:23 |

## EAST Search History

|          |     |  |  |    |    |                  |
|----------|-----|--|--|----|----|------------------|
| S73<br>7 | 52  | ((fraction or less or slower or lower) with (sampl\$3 or operat\$3) with (chip or chipping) near2 (rate or speed or frequency)) same (correlat\$3 or de\$1spread\$3 or (match\$3 near filter) or matched\$1filter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 13:23 |
| S73<br>3 | 144 | ((fraction or less or slower or lower) with (sampl\$3 or operat\$3) with (chip or chipping) near2 (rate or speed or frequency)) and S727   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 13:14 |
| S73<br>2 | 366 | ((fraction or less or slower or lower) with (sampl\$3 or operat\$3) with (chip or chipping) near2 (rate or speed or frequency))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/11/08 13:12 |